Mathematical Studies: Project 1 – Topic/Thesis Form

Name: Luke Treece

1. Topic: The relationship between the depth of the pocket and the speed of your shot (lacrosse).
2. Reason for Choice: I have always been and always will be a huge lacrosse fan, and I wanted to know if in fact there was a correlation between the speed of your shot and the depth of the pocket. I plan on using a radar gun which measures the speed of the shot in mph, and plan on using an array of differing pocket depths to find the evidence. I think this will be a useful tool for future UA lacrosse players to know the optimal depth of pocket for shot speed.
3. Research Question:  
   What is the relationship between the depth of your stick's pocket, and the speed of your shot?
4. Title of Project: Depth of Pocket vs. Speed of Shot